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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/775,792 Confirmation No. 9683
Applicant : John S. Fox
Filed : Feb. 09, 2004
TC/A.U. : N/A
Examiner : Kara E. Geisel
Docket No. : LIG0001P
Customer No. : N/A
Art Unit. : 2877

Commissioner for Patents
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Alexandria VA 22313-1450
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Total of 7 pages

AMENDMENT

In response to the Office action of February 5, 2009, Applicant requests favorable reconsideration of this application.

Amendments to the Specification:

Abstract

Simultaneous illumination along each of multiple axis for panoramic viewing of a macroscopically-sized specimen along a single viewing axis is realized by dichroic mirrors. Selective control of illumination intensity and/or color(s) of, permissively, each of multiple illuminating lights along multiple illumination axis of the specimen as are induced to fluoresce at corresponding different colors and intensities will all appear clearly visible, and well balanced, in a composite image nonetheless to intrinsically being of greatly differing

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brightness. Color and intensity calibration of the well-balanced composite image in all its colors and regions may optionally be realized by one or more fluorescent image calibration step wedges. A rule, or grid, scale may be imposed upon the image. The resulting panoramic composite image contains a great deal of quantitative information, being optionally calibrated in any of dimension, scale, overall brightness, the separate intensities of, permissively, each of several separate differently-colored fluorescent emissions.

REFERENCE TO RELATED PATENT APPLICATIONS

The present patent application is related to U.S. patent application Ser. No. 10/810,993 (now U.S. Pat. No. 7,173,256) for a FLUORESCENT IMAGE CALIBRATION STEP WEDGE, AND USE THEREOF IN ILLUMINATION FOR FLUORESCENT IMAGING AND AUTOMATIC EXPOSURE. The present patent application is related to U.S. patent application Ser. No. 10/788,724 (now U.S. Pat. No. 7,280,726) for CONTROLLED-INTENSITY MULTIPLE-FREQUENCY MULTIPLE-AXIS ILLUMINATION OF MACROSCOPIC SPECIMENS FROM A SINGLE LIGHT SOURCE USING SPECIAL BIFURCATED CABLES.

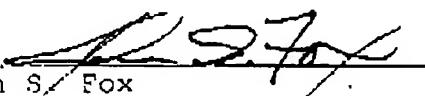
Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Amendments to the Drawings None at this time

Remarks/Arguments None at this time.

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

By 
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